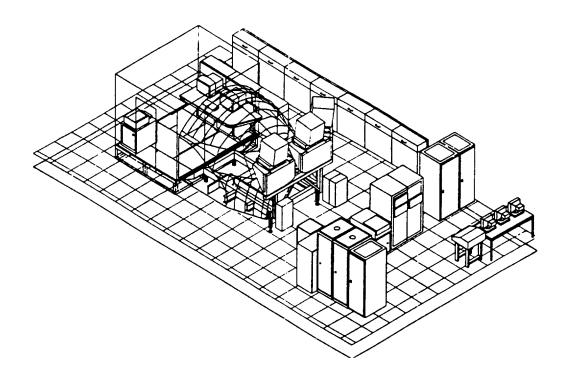
DEVICE 2F142 (F) **DIRECTORY OF NAVAL TRAINING DEVICES**



P-3A/B TACNAVMOD OPERATIONAL FLIGHT TRAINER, DEVICE 2F142 (F)

TRAINING CATEGORY:

AVIATION (FLIGHT)

ORIGINATING AGENCY:

DCNO/AIR

SECURITY CLASSIFICATION:

Device 2F142 (F) is unclassified.

PURPOSE OF DEVICE:

To provide function and equipment necessary to train pilots, copilots, and flight engineers in the familiarization of normal and emergency operational procedures of the P-3A/B aircraft.

INTENDED USE:

In reserve Naval Air Stations for training of pilots, copilots, and flight engineers.

FUNCTIONAL DESCRIPTION:

Device 2F142 (F) provides for control and monitoring of the training mission via interactive graphics displays and pop-up menus. Trainer peripherals and subsystems are coordinated and controlled by the real-time computer program. An off-line Maintenance Mode provides Daily Readiness and Verification testing, and exercise formulation.

The Computational System consists of a Harris Model H-1200 single processor, super mini-computer and its peripherals:

474 MB Fixed Disk; Magnetic Tape Unit 300 MB Disk Drive Unit, and Operator Console

PHYSICAL INFORMATION:

WEIGHT: Total System (including cables)

14,900 pounds

HEAT DISSIPATION: Total System (including

Personnel) 78,170 BTU/HR.

SECTION 2

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POWER REQUIREMENTS:

120/208 VAC, 60 Hz, 3 Phase, 90% PF, 150 amps, 31.4 KVA

INSTALLATION REQUIREMENTS:

MINIMUM INSTALLATION AREA: 810 sq. ft.

FLOOR LOADING: 168 maximum

DECK REQUIREMENT: 12" Elevated Deck

per MIL-F-29046

OPERATIONAL EQUIPMENT:

AIMS Control Panel, C-6280 () (P)/APX; IFF BAT PWR/ZERO Mode Command and Test Switch; Marker Plotter Controller, C-9855/ASN-124 (non-functional); Pilot Tactical Display, AN/ASA-66 (non-functional); Pilot Tactical Display Control Panel (non-functional).

PUBLICATIONS FURNISHED:

- Technical Manual, Operation and Maintenance Instructions, P-3A/B TACNAVMOD Operational Flight Trainer, Device 2F142 (F), NTSC P-5874 (U)
- Instructor's Utilization Handbook, P-3A/B TACNAVMOD Operational Flight Trainer, Device 2F142 (F), NTSC P-5877 (U)
- Commercial Computer Documentation Set for the P-3A/B TACNAVMOD Operational Flight Trainer, Device 2F142 (F), NTSC-P-5876 (Set) (U)
- Commercial Off-the-Shelf Equipment Documentation Set for the P-3A/B TACNAVMOD
 Operational Flight Trainer, Device 2F142 (F), NTSC P-5874-S (Set) (U)

PERSONNEL:

INSTRUCTORS: One (1) Flight Instructor,

One (1) Flight Engineer Instructor. Both qualified in

P-3A/B aircraft.

OPERATOR: Instructor-operated

TRAINEES: Class of up to three (3). Pilot,

Copilot, and Flight Engineer.

MAINTENANCE: One journeyman level elec-

tronics technician, 40 hours

per week.

CONTRACT IDENTIFICATION:

Manufactured by Quintron Corp., Chantilly, VA under NAVTRASYSCEN Contract No. N61339-87-C-0086.

LOCAL STOCK NUMBER:

6930-LL-C00-7045